

Laser resonator, for an UV emitting laser used for lithography in the semiconductor industry, has an end mirror in the form of an optical unit having a wavelength selective and bandwidth limiting effect and having an UV reflective layer

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Abstract

An UV laser resonator has an end mirror in the form of an optical unit having a wavelength selective and bandwidth limiting effect and having an UV reflective layer. An UV laser resonator has a gas-filled space delimited by end mirrors, one mirror being in the form of an optical unit for gas-tight closure of one end of the gas space (1), exhibiting a wavelength selective and bandwidth limiting action and having an UV (partially) reflective optical layer. Preferred Features: The optical unit is a prism (3).

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